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Light gauge metal containers — Capacities and related cross-sections —

Part 5:
Open-top cans for fish and other fishery products

Récipients métalliques légers — Capacités et sections transversales associées —

Partie 5: Boîtes serties pour poissons et autres produits de la pêche

Reference number
ISO 3004-5 : 1988 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3004-5 was prepared by Technical Committee ISO/TC 52, *Light gauge metal containers.*

This first edition cancels and replaces ISO/TR 7423 : 1982 and ISO/TR 7670 : 1982, of which it constitutes a technical revision.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Light gauge metal containers — Capacities and related cross-sections —

Part 5:
Open-top cans for fish and other fishery products

0 Introduction

Light gauge metal open-top containers for food and drinks, covered by ISO 3004, are grouped as follows:

Part 1: Open-top cans for general food.

Part 2: Open-top cans for meat and products containing meat for human consumption.

Part 3: Open-top cans for drinks.

Part 4: Open-top cans for edible oil.

Part 5: Open-top cans for fish and other fishery products.

Part 6: Open-top cans for milk.

Vent-hole cans for milk are covered in ISO/TR 8610, *Light gauge metal containers — Round vent-hole cans with soldered ends for milk products — Capacities and related diameters.*

1 Scope and field of application

This part of ISO 3004 lays down a recommended range of capacities for round and non-round food cans for fish and other fishery products. For round cans the diameters related to the capacities are also given, in accordance with ISO 1361. Cross-sections of non-round cans are given in an annex for information.

NOTE — The following can types are included in the designation "non-round cans": rectangular cans, oval cans and obround cans.

All can measurements in this part of ISO 3004 are given in accordance with the requirements laid down in ISO 90-1.

2 References

ISO 90-1, *Light gauge metal containers — Definitions and determination methods for dimensions and capacities — Part 1: Open-top cans.*

ISO 1361, *Light gauge metal containers — Open-top cans — Round cans — Internal diameters.*

3 Gross lidded capacities and related cross-sections

Table 1 — Gross lidded capacities

Nominal gross lidded capacity ml	Type of can				Tolerance limits on capacity[1] ml	
	Round cans	Non-round cans			Round cans	Non-round cans
		Rectangular	Oval	Obround		
50[2]		X	X			47 — 53
57[2]		X				54 — 60
71	X				67 — 75	
75		X				71 — 79
85	X				81 — 89	
92		X		X		88 — 96
100		X				96 — 104
106	X				102 — 110	
112		X		X		108 — 116
120			X			115 — 125
125	X	X		X	120 — 130	
142	X	X			136 — 148	
156	X				150 — 162	
170	X			X	164 — 176	
187		X				181 — 193
198	X	X		X	192 — 204	
212	X	X			206 — 218	
228	X		X		221 — 235	
236	X				229 — 243	
246	X		X		239 — 253	
250	X	X			243 — 257	
270		X		X		263 — 277
283	X				276 — 290	
314	X				306 — 322	
335		X				327 — 343
375		X	X	X		366 — 384
390	X				380 — 400	
425	X	X	X		414 — 436	
446	X				435 — 457	
475	X				463 — 487	
492	X	X			480 — 504	
580	X			X	567 — 593	
620	X				607 — 633	
636	X				623 — 649	
720	X				706 — 734	
750		X				735 — 765
850	X				833 — 867	

1) In conformity with ISO 90-1, these tolerances define the limits of acceptable deviation resulting from variations in can design and manufacture.

2) This capacity will be further examined at a later stage.

Table 2 — Gross lidded capacities and related diameters of round cans

Nominal gross lidded capacity ml	Nominal diameter[1)] mm
71	63
85	65 73
106	65 73
125	73 99
142	52 73
156	65
170	52 73 83
198	73
212	73 83 99
228	65 73 83
236	65
246	83
250	65
283	83 99
314	65 73 99
390	99
425	73 99
446	73
475	73 99
492	153
580	83
620	73
636	99
720	83 99
850	99

1) For related internal body diameters, see ISO 1361.

Annex

Cross-sections of non-round cans for fish

(For information purposes only.)

The cross-sections which have been underlined shall be considered as being preferential.

The other cross-sections are classified according to order of decreasing importance.

Table 3 — Cross-sections of rectangular cans

Nominal gross lidded capacity ml	Cross-section mm
50[1]	99 × 46 81 × 56 105 × 60
57[1]	99 × 46
75	105 × 60 105 × 76 99 × 46
92	105 × 60 105 × 76 87 × 49
100	105 × 76 105 × 60
112	105 × 76 155 × 61
125	105 × 60 105 × 76
142	105 × 76 105 × 60
187	105 × 76 155 × 55 99 × 46
198	148 × 96
212	105 × 60 93 × 47
250	105 × 76
270	148 × 96 158 × 105
335	105 × 76 117 × 95 93 × 47
375	160 × 101 117 × 95 99 × 46
425	160 × 101 148 × 96
492	158 × 105 220 × 160
750	117 × 95

1) This capacity will be further examined at a later stage.

Table 4 — Cross-sections for oval cans

Nominal gross lidded capacity ml	Cross-section mm
50	85 × 53
120	105 × 65
228	126 × 83 152 × 84
246	126 × 78
375	160 × 108
425	160 × 108 163 × 111

Table 5 — Cross-sections for obround cans

Nominal gross lidded capacity ml	Cross-section mm
92	100 × 46
112	155 × 61 118 × 61
125	150 × 54
170	148 × 81
198	148 × 81 165 × 59
270	148 × 81
375	210 × 80 160 × 98
580	210 × 80